Author Index

A

Amoyaw, Kwame. *See* Khan, Amoyaw, Spudich, Reid, and Trentham.
Andersen, O. S. *See* Becker, Koeppe, and Andersen.
— *See* Durkin, Providence, Koeppe, and Andersen.
— *See* Oiki, Koeppe, and Andersen.
Arispe, Nelson. *See* Pollard, Guy, Arispe, de la Fuente, Lee, Rojas, Pollard, Srivastava, Zhang-Keck, Merezhinskaya, Caohuy, Burns, and Rojas.
Atherton, Stephen J. *See* Herz and Atherton.
Auerbach, Anthony. Kinetic behavior of cloned mouse acetylcholine receptors. A semi-autonomous, stepwise model of gating. 72

B

Baenziger, John E., Miller, Keith W., McCarthy, Michael P., and Rothschild, Kenneth J. Probing conformational changes in the nicotinic acetylcholine receptor by Fourier transform infrared difference spectroscopy. 64
Baird, Lynne G. *See* Huston, Cohen, Maratea, Fields, Tai, Cabral-Dennison, Juffras, Rueger, Ridge, Oppermann, Keck, and Baird.
Ballesteros, Juan A. and Weinstein, Harel. Analysis and refinement of criteria for predicting the structure and relative orientations of transmembranal helical domains. 107
— The role of Pro/Hyp-kinks in determining the transmembrane helix length and gating mechanism of a [Leu]zervamicin channel. 110
Barchi, R. L. *See* Chahine, Chen, Kallen, Barchi, and Horn.
Bargiello, Thaddeus A. *See* Rubin, Verselis, Bennett, and Bargiello.
Bechinger, Burkhard, Zasloff, Michael, and Opella, Stanley J. Structure and interactions of magainin antibiotic peptides in lipid bilayers. A solid-state nuclear magnetic resonance investigation. 12
Becker, M. D., Koeppe II, R. E., and Andersen, O. S. Amino acid substitutions and ion channel function. Model-dependent conclusion. 25
Bennett, Michael V. L. *See* Rubin, Verselis, Bennett, and Bargiello.
Bezanilla, F. *See* Perozo, Papazian, Stefani, and Bezanilla.
Bezrukov, Sergey M. *See* Vodyanoy and Bezrukov.
Blachly-Dyson, Elizabeth. *See* Peng, Blachly-Dyson, Forte, and Colombini.
Blumenthal, R. *See* Guy, Durell, Schloch, and Blumenthal.
Bogusz, Stephen and Busath, David. Is a β-barrel model of the K^+ channel energetically feasible? 19
Bothwell, Alfred. *See* Zhang, Crise, Su, Hou, Rose, Bothwell, and Jacobson.
Boyd, K. L. *See* Luckie, Lemas, Boyd, Fambrough, Inesi, and Takeyasu.
Braiman, Mark S., Klinger, Alexandra L., and Doebler, Robert. Fourier transform infrared spectroscopic analysis of altered reaction pathways in site-directed mutants: the D212N mutant of bacteriorhodopsin expressed in *Halobacterium halobium*. 56
Brown, A. M. *See* Kirsch, Drewe, Taglialatela, Joho, Hartmann, DeBiasi, and Brown.
— *See* Taglialatela, Kirsch, VanDongen, Drewe, Hartmann, Joho, Stefani, and Brown.
Burns, A. Lee. *See* Pollard, Guy, Arispe, de la Fuente, Lee, Rojas, Pollard, Srivastava, Zhang-Keck, Merezhinskaya, Caohuy, Burns, and Rojas.
Busath, David. *See* Bogusz and Busath.
Bzdega, Tomasz. *See* Kosk-Kosicka, Bzdega, Wawrzynow, Watterson, and Lukas.

C

Cabral-Dennison, Nancy. *See* Huston, Cohen, Maratea, Fields, Tai, Cabral-Dennison, Juffras, Rueger, Ridge, Oppermann, Keck, and Baird.
Caohuy, Huang. *See* Pollard, Guy, Arispe, de la Fuente, Lee, Rojas, Pollard, Srivastava, Zhang-Keck, Merezhinskaya, Caohuy, Burns, and Rojas.
Careaga, Claire L. and Falke, Joseph J. Structure and dynamics of *Escherichia coli* chemosensory receptors. Engineered sulfhydryl studies. 209
Catterall, William A. *See* West, Numann, Murphy, Scheuer, and Catterall.
Chahine, M., Chen, L.-Q., Kallen, R. G., Barchi, R. L., and Horn, R. Expressed Na channel clones differ in their sensitivity to external calcium concentration. 37
Chang, Xiu-Bao. *See* Tabcharani, Chang, Riordan, and Hanrahan.
Chanson, M. *See* Spray, Moreno, Eghbali, Chanson, and Fishman.
Chen, L-Q. *See* Chahine, Chen, Kallen, Barchi, and Horn.
Cohen, Charles. *See* Huston, Cohen, Maratea, Fields, Tai, Cabral-Dennison, Juffras, Rueger, Ridge, Oppermann, Keck, and Baird.
Collier, R. John. *See* Mindell, Silverman, Collier, and Finkelstein.
Colombini, Marco. *See* Peng, Blachly-Dyson, Forte, and Colombini.
Crise, Bruce. *See* Zhang, Crise, Su, Hou, Rose, Bothwell, and Jacobson.

D

Dahl, Gerhard, Werner, Rudolf, Levine, Eric, and Rabadan-Diehl, Cristina. Mutational analysis of gap junction formation. 172
de la Fuente, Milton. *See* Pollard, Guy, Arispe, de la Fuente, Lee, Rojas, Pollard, Srivastava, Zhang-Keck, Merezhinskaya, Caohuy, Burns, and Rojas.
DeBiasi, M. *See* Kirsch, Drewe, Taglialatela, Joho, Hartmann, DeBiasi, and Brown.
Doebler, Robert. *See* Braiman, Klinger, and Doebler.
Drewe, J. A. *See* Kirsch, Drewe, Taglialatela, Joho, Hartmann, DeBiasi, and Brown.
— *See* Taglialatela, Kirsch, VanDongen, Drewe, Hartmann, Joho, Stefani, and Brown.
Durell, Stewart R. and Guy, H. Robert. Atomic scale structure and functional models of voltage-gated potassium channels. 238
Durell, Stewart R. *See* Guy, Durell, Schloch, and Blumenthal.
Durkin, J. T., Providence, L. L., Koeppe II, R. E., and Andersen, O. S. Formation of non-$B^{6.3}$-helical gramicidin channels between sequence-substituted gramicidin analogues. 145

E

Eghbali, B. *See* Spray, Moreno, Eghbali, Chanson, and Fishman.

F

Falke, Joseph A., Luck, Linda A., and Scherrer, Jon. ^{19}F nuclear magnetic resonance studies of aqueous and transmembrane receptors. Examples from the *Escherichia coli* chemosensory pathway. 82

Falke, Joseph J. *See* Careaga and Falke.

Fambrough, D. M. *See* Luckie, Lemas, Boyd, Fambrough, Inesi, and Takeyasu.

Fields, Fran. *See* Huston, Cohen, Maratea, Fields, Tai, Cabral-Dennison, Juffras, Rueger, Ridge, Oppermann, Keck, and Baird.

Finkelstein, Alan. *See* Mindell, Silverman, Collier, and Finkelstein.

Fishman, G. I. *See* Moreno, Fishman, and Spray.

— *See* Spray, Moreno, Eghbali, Chanson, and Fishman.

Fong, Tung Ming, Yu, Hong, and Strader, Catherine D. The extracellular domain of substance P (NK1) receptor comprises part of the ligand binding site. 59

Forte, Michael. *See* Peng, Blachly-Dyson, Forte, and Colombini.

G

Glucksman, M. J., Orlowski, M., and Roberts, J. L. Structural and functional studies of the metalloendopeptidase (EC 3.4.24.15) involved in degrading gonadotropin releasing hormone. 119

Goldstein, Steve A. N. and Miller, Christopher. A point mutation in a *Shaker* K^+ channel changes its charybdotoxin binding site from low to high affinity. 5

Green, Michael E. Simulation of the role of water in ion channel gating. 101

Guy, H. R., Durell, Stewart R., Schloch, Christian, and Blumenthal, R. Analyzing the fusion process of influenza hemagglutinin by mutagenesis and molecular modeling. 95

Guy, H. Robert. *See* Durell and Guy.

— *See* Pollard, Guy, Arispe, de la Fuente, Lee, Rojas, Pollard, Srivastava, Zhang-Keck, Merezhinskaya, Caohuy, Burns, and Rojas.

H

Hanrahan, John W. *See* Tabcharani, Chang, Riordan, and Hanrahan.

Hartmann, H. A. *See* Kirsch, Drewe, Taglialatela, Joho, Hartmann, DeBiasi, and Brown.

— *See* Taglialatela, Kirsch, VanDongen, Drewe, Hartmann, Joho, Stefani, and Brown.

Herz, Jeffrey M. and Atherton, Stephen J. Steric factors limit access to the noncompetitive inhibitor site of the nicotinic acetylcholine receptor. Fluorescence studies. 74

Holloway, Peter W. *See* Ladokhin, Tretyachenko-Ladokhina, Holloway, Wang, and Steggles.

Horn, R. *See* Chahine, Chen, Kallen, Barchi, and Horn.

Hou, Yu. *See* Zhang, Crise, Su, Hou, Rose, Bothwell, and Jacobson.

Hu, Valerie W. *See* Xie, Huang, and Hu.

Huang, Ruo. *See* Xie, Huang, and Hu.

Huston, James S., Cohen, Charles, Maratea, Denny, Fields, Fran, Tai, Mei-Sheng, Cabral-Dennison, Nancy, Juffras, Robert, Rueger, David, Ridge, Richard J., Oppermann, Hermann, Keck, Peter, and Baird, Lynne G. Multisite association by recombinant proteins can enhance binding selectivity: preferential removal of immune complexes from serum by immobilized truncated FB analogues of the B domain from Staphylococcal protein A. 87

I

Inesi, G. *See* Luckie, Lemas, Boyd, Fambrough, Inesi, and Takeyasu.

J

Jacobson, Ken. *See* Zhang, Crise, Su, Hou, Rose, Bothwell, and Jacobson.

Joho, R. H. *See* Kirsch, Drewe, Taglialatela, Joho, Hartmann, DeBiasi, and Brown.

— *See* Taglialatela, Kirsch, VanDongen, Drewe, Hartmann, Joho, Stefani, and Brown.

Juffras, Robert. *See* Huston, Cohen, Maratea, Fields, Tai, Cabral-Dennison, Juffras, Rueger, Ridge, Oppermann, Keck, and Baird.

K

Kallen, R. G. *See* Chahine, Chen, Kallen, Barchi, and Horn.

Keck, Peter. *See* Huston, Cohen, Maratea, Fields, Tai, Cabral-Dennison, Juffras, Rueger, Ridge, Oppermann, Keck, and Baird.

Khan, Shahid, Amoyaw, Kwame, Spudich, John L., Reid, Gordon P., and Trentham, David R. Bacterial chemoreceptor signaling probed by flash photorelease of a caged serine. 67

Kirsch, G. E., Drewe, J. A., Taglialatela, M., Joho, R. H., Hartmann, H. A., DeBiasi, M., and Brown, A. M. A single nonpolar residue in the deep pore of related K^+ channels acts as a K^+:Rb^+ conductance switch. 136

Kirsch, G. E. *See* Taglialatela, Kirsch, VanDongen, Drewe, Hartmann, Joho, Stefani, and Brown.

Klinger, Alexandra L. *See* Braiman, Klinger, and Doebler.

Koeppe II, R. E. *See* Becker, Koeppe, and Andersen.

— *See* Durkin, Providence, Koeppe, and Andersen.

— *See* Oiki, Koeppe, and Andersen.

Kolmakova-Partensky, Ludmilla. *See* Stampe, Kolmakova-Partensky, and Miller.

Kosk-Kosicka, Danuta, Bzdega, Tomasz, Wawrzynow, Alicja, Watterson, D. Martin, and Lukas, Thomas J. Site-specific amino acid alterations in Ca^{2+} binding domains in calmodulin impair activation of RBC Ca^{2+}-ATPase. 77

L

Ladokhin, Alexey, Tretyachenko-Ladokhina, V. G., Holloway, Peter W., Wang, L., and Steggles, A. W. Biophysical studies of cytochromes b5 with amino-acid substitutions in the membrane-binding domain. 79

Lee, George. *See* Pollard, Guy, Arispe, de la Fuente, Lee, Rojas, Pollard, Srivastava, Zhang-Keck, Merezhinskaya, Caohuy, Burns, and Rojas.

Lee, Yung-Hui. *See* Li, Lee, Pappone, Palma, and McNamee.

Lemas, V. *See* Luckie, Lemas, Boyd, Fambrough, Inesi, and Takeyasu.

Lepke, Sigrid. *See* Passow, Wood, Lepke, Müller, and Sovak.
Leuchtag, H. Richard. Does the Na channel conduct ions through a water-filled pore or a condensed-state pathway? 22
Levine, Eric. *See* Dahl, Werner, Levine, and Rabadan-Diehl.
Li, Lian, Lee, Yung-Hui, Pappone, Pamela, Palma, Andrew, and McNamee, Mark G. Site-specific mutations of nicotinic acetycholine receptor at the liquid-protein interface dramatically alter ion channel gating. 61
Long, David G. and Weis, Robert M. *Escherichia coli* aspartate receptor. Oligomerization of the cytoplasmic fragment. 69
Luck, Linda A. *See* Falke, Luck, and Scherrer.
Luckie, D. B., Lemas, V., Boyd, K. L., Fambrough, D. M., Inesi, G., and Takeyasu, K. Molecular dissection of functional domains of the E1E2-ATPase using sodium and calcium pump chimeric molecules. 220
Lukas, Thomas J. *See* Kosk-Kosicka, Bzdega, Wawrzynow, Watterson, and Lukas.
Luo, Ning. *See* Sun, Luo, Ornstein, and Rein.

M

Müller, Hanne. *See* Passow, Wood, Lepke, Müller, and Sovak.
Maratea, Denny. *See* Huston, Cohen, Maratea, Fields, Tai, Cabral-Dennison, Juffras, Rueger, Ridge, Oppermann, Keck, and Baird.
McCarthy, Michael P. *See* Baenziger, Miller, McCarthy, and Rothschild
McNamee, Mark G. *See* Li, Lee, Pappone, Palma, and McNamee.
Merezhinskaya, Natasha. *See* Pollard, Guy, Arispe, de la Fuente, Lee, Rojas, Pollard, Srivastava, Zhang-Keck, Merezhinskaya, Caohuy, Burns, and Rojas.
Miller, Christopher. *See* Goldstein and Miller.
— *See* Stampe, Kolmakova-Partensky, and Miller.
Miller, Keith W. *See* Baenziger, Miller, McCarthy, and Rothschild
Mindell, Joseph A., Silverman, Jared A., Collier, R. John, and Finkelstein, Alan. Locating a residue in the diphtheria toxin channel. 41
Moreno, A. P., Fishman, G. I., and Spray, D. C. Phosphorylation shifts unitary conductance and modifies voltage dependent kinetics of human connexin43 gap junction channels. 51
Moreno, A. P. *See* Spray, Moreno, Eghbali, Chanson, and Fishman.
Murphy, Brian J. *See* West, Numann, Murphy, Scheuer, and Catterall.

N

Numann, Randall. *See* West, Numann, Murphy, Scheuer, and Catterall.

O

Oiki, S., Koeppe II, R. E., and Andersen, O. S. A dipolar amino acid substitution induces voltage dependent transitions between two stable conductance states in gramicidin channels. 28
Opella, Stanley J. *See* Bechinger, Zasloff, and Opella.
Oppermann, Hermann. *See* Huston, Cohen, Maratea, Fields, Tai, Cabral-Dennison, Juffras, Rueger, Ridge, Oppermann, Keck, and Baird.
Orlowski, M. *See* Glucksman, Orlowski, and Roberts.
Ornstein, Rick L. *See* Sun, Luo, Ornstein, and Rein.

P

Palma, Andrew. *See* Li, Lee, Pappone, Palma, and McNamee.
Papazian, D. *See* Perozo, Papazian, Stefani, and Bezanilla.
Pappone, Pamela. *See* Li, Lee, Pappone, Palma, and McNamee.
Passow, Hermann, Wood, Phillip G., Lepke, Sigrid, Müller Hanne, and Sovak, Mika. Exploration of the functional significance of the stilbene disulfonate binding site in mouse band 3 by site-directed mutagenesis. 98
Peng, Songzhi, Blachly-Dyson, Elizabeth, Forte, Michael, and Colombini, Marco. Large scale rearrangement of protein domains is associated with voltage gating of the VDAC channel. 123
Penington, Christopher J. and Rule, Gordon S. Application of site-directed mutagenesis in nuclear magnetic resonance spectroscopy. 116
Perozo, E., Papazian, D., Stefani, E., and Bezanilla, F. Gating currents in *Shaker* K^+ channels. Implications for activation and inactivation models. 160
Pollard, Harvey B., Guy, H. Robert, Arispe, Nelson, de la Fuente, Milton, Lee, George, Rojas, Eduardo M., Pollard, John R., Srivastava, Meera, Zhang-Keck, Zhen-Yong, Merezhinskaya, Natasha, Caohuy, Hung, Burns, A. Lee, and Rojas, Eduardo. Calcium channel and membrane fusion activity of synexin and other members of the Annexin gene family. 15
Pollard, John R. *See* Pollard, Guy, Arispe, de la Fuente, Lee, Rojas, Pollard, Srivastava, Zhang-Keck, Merezhinskaya, Caohuy, Burns, and Rojas.
Providence, L. L. *See* Durkin, Providence, Koeppe, and Andersen.

R

Rabadan-Diehl, Cristina. *See* Dahl, Werner, Levine, and Rabadan-Diehl.
Rao, Rajini and Slayman, Carolyn W. Mutagenesis of the yeast plasma membrane H^+-ATPase. A novel expression system. 228
Reid, Gordon P. *See* Khan, Amoyaw, Spudich, Reid, and Trentham.
Rein, Robert. *See* Sun, Luo, Ornstein, and Rein.
Ridge, Richard J. *See* Huston, Cohen, Maratea, Fields, Tai, Cabral-Dennison, Juffras, Rueger, Ridge, Oppermann, Keck, and Baird.
Riordan, John R. *See* Tabcharani, Chang, Riordan, and Hanrahan.
Roberts, J. L. *See* Glucksman, Orlowski, and Roberts.
Rojas, Eduardo M. *See* Pollard, Guy, Arispe, de la Fuente, Lee, Rojas, Pollard, Srivastava, Zhang-Keck, Merezhinskaya, Caohuy, Burns, and Rojas.
Rojas, Eduardo. *See* Pollard, Guy, Arispe, de la Fuente, Lee, Rojas, Pollard, Srivastava, Zhang-Keck, Merezhinskaya, Caohuy, Burns, and Rojas.
Rose, John K. *See* Zhang, Crise, Su, Hou, Rose, Bothwell, and Jacobson.
Rothschild, Kenneth J. *See* Baenziger, Miller, McCarthy, and Rothschild
Rubin, Joshua B., Verselis, Vytas K., Bennett, Michael V. L., and Bargiello, Thaddeus A. Molecular analysis of voltage dependence of heterotypic gap junctions formed by connexins 26 and 32. 183

Rueger, David. *See* Huston, Cohen, Maratea, Fields, Tai, Cabral-Dennison, Juffras, Rueger, Ridge, Oppermann, Keck, and Baird.
Rule, Gordon S. *See* Penington and Rule.

S

Sakmann, B. *See* Villarroel and Sakmann.
Scherrer, Jon. *See* Falke, Luck, and Scherrer.
Scheuer, Todd. *See* West, Numann, Murphy, Scheuer, and Catterall.
Schloch, Christian. *See* Guy, Durell, Schloch, and Blumenthal.
Silverman, Jared A. *See* Mindell, Silverman, Collier, and Finkelstein.
Slayman, Carolyn W. *See* Rao and Slayman.
Sovak, Mika. *See* Passow, Wood, Lepke, Müller, and Sovak.
Spray, D. C. *See* Moreno, Fishman, and Spray.
Spray, D. C., Moreno, A. P., Eghbali, B., Chanson, M., and Fishman, G. I. Gating of gap junction channels as revealed in cells stably transfected with wild type and mutant connexin cDNAs. 48
Spudich, John L. *See* Khan, Amoyaw, Spudich, Reid, and Trentham.
Srivastava, Meera. *See* Pollard, Guy, Arispe, de la Fuente, Lee, Rojas, Pollard, Srivastava, Zhang-Keck, Merezhinskaya, Caohuy, Burns, and Rojas.
Stampe, Per, Kolmakova-Partensky, Ludmilla, and Miller, Christopher. Mapping hydrophobic residues of the interaction surface of charybdotoxin. 8
Stefani, E. *See* Perozo, Papazian, Stefani, and Bezanilla.
— *See* Taglialatela, Kirsch, VanDongen, Drewe, Hartmann, Joho, Stefani, and Brown.
Steggles, A. W. *See* Ladokhin, Tretyachenko-Ladokhina, Holloway, Wang, and Steggles.
Strader, Catherine D. *See* Fong, Yu, and Strader.
Su, Bing. *See* Zhang, Crise, Su, Hou, Rose, Bothwell, and Jacobson.
Sun, Shaojian, Luo, Ning, Ornstein, Rick L., and Rein, Robert. Protein structure predication based on statistical potential. 104

T

Tabcharani, Joseph A., Chang, Xiu-Bao, Riordan, John R., and Hanrahan, John W. The cystic fibrosis transmembrane conductance regulator chloride channel. Iodide block and permeation. 1
Taglialatela, M., Kirsch, G. E., VanDongen, A. M. J., Drewe, J. A., Hartmann, H. A., Joho, R. H., Stefani, E., and Brown, A. M. Gating currents from a delayed rectifier K^+ channel with altered pore structure and function. 34
Taglialatela, M. *See* Kirsch, Drewe, Taglialatela, Joho, Hartmann, DeBiasi, and Brown.
Tai, Mei-Sheng. *See* Huston, Cohen, Maratea, Fields, Tai, Cabral-Dennison, Juffras, Rueger, Ridge, Oppermann, Keck, and Baird.
Takeyasu, K. *See* Luckie, Lemas, Boyd, Fambrough, Inesi, and Takeyasu.
Teintze, Martin and Xu, Zhi-jun. Membrane assembly of bacterio-opsin mutants expressed in *Halobacteria* and incorporation of the proteins into phospholipid bilayers. 54
Trentham, David R. *See* Khan, Amoyaw, Spudich, Reid, and Trentham.
Tretyachenko-Ladokhina, V. G. *See* Ladokhin, Tretyachenko-Ladokhina, Holloway, Wang, and Steggles.

V

VanDongen, A. M. J. *See* Taglialatela, Kirsch, VanDongen, Drewe, Hartmann, Joho, Stefani, and Brown.
Veerapandian, B. Structure and function of interleuk-1 based on crystallographic and modeling studies. 112
Verselis, Vytas K. *See* Rubin, Verselis, Bennett, and Bargiello.
Villarroel, A. and Sakmann, B. Threonine in the selectivity filter of the acetylcholine receptor channel. 196
Vodyanoy, Igor and Bezrukov, Sergey M. Sizing of an ion pore by access resistance measurements. 10

W

Wang, L. *See* Ladokhin, Tretyachenko-Ladokhina, Holloway, Wang, and Steggles.
Watterson, D. Martin. *See* Kosk-Kosicka, Bzdega, Wawrzynow, Watterson, and Lukas.
Wawrzynow, Alicja. *See* Kosk-Kosicka, Bzdega, Wawrzynow, Watterson, and Lukas.
Weinstein, Harel. *See* Ballesteros and Weinstein.
Weis, Robert M. *See* Long and Weis.
Werner, Rudolf. *See* Dahl, Werner, Levine, and Rabadan-Diehl.
West, James W., Numann, Randall, Murphy, Brian J., Scheuer, Todd, and Catterall, William A. Phosphorylation of a conserved protein kinase C site is requried for modulation of Na^+ currents in transfected Chinese hamster ovary cells. 31
Wood, Phillip G. *See* Passow, Wood, Lepke, Müller, and Sovak.

X

Xie, Han-qing, Huang, Ruo, and Hu, Valerie W. Intercellular communication through gap junctions is reduced in senescent cells. 45
Xu, Zhi-jun. *See* Teintze and Xu.

Y

Yu, Hong. *See* Fong, Yu, and Strader.

Z

Zasloff, Michael. *See* Bechinger, Zasloff, and Opella.
Zhang, Fen, Crise, Bruce, Su, Bing, Hou, Yu, Rose, John K., Bothwell, Alfred, and Jacobson, Ken. The lateral mobility of some membrane proteins is determined by their ectodomains. 92
Zhang-Keck, Zhen-Yong. *See* Pollard, Guy, Arispe, de la Fuente, Lee, Rojas, Pollard, Srivastava, Zhang-Keck, Merezhinskaya, Caohuy, Burns, and Rojas.

SUBJECT INDEX, VOLUME 62

The six digit number following each entry consists of the page number of the article prefixed by the volume in which the article appeared.

Subject Context	Keyword	Ref. No.
	A	
IZING OF AN ION PORE BY	ACCESS RESISTANCE MEASUREMENTS	620010
S/ STERIC FACTORS LIMIT	ACCESS TO THE NONCOMPETITIVE INHI	620074
MUTATIONS OF NICOTINIC	ACETYLCHOLINE RECEPTOR AT THE LI	620061
HANGES IN THE NICOTINIC	ACETYLCHOLINE RECEPTOR BY FOURI	620064
ELECTIVITY FILTER OF THE	ACETYLCHOLINE RECEPTOR CHANNEL/	620196
FERENCE SPECTROSCOPY	ACETYLCHOLINE RECEPTOR CONFORM	620064
OR SITE OF THE NICOTINIC	ACETYLCHOLINE RECEPTOR FLUORES	620074
TER ION CHANNEL GATING	ACETYLCHOLINE RECEPTOR SITE SPEC	620061
AVIOR OF CLONED MOUSE	ACETYLCHOLINE RECEPTORS A SEMIA	620072
ASE/ SITE-SPECIFIC AMINO	ACID ALTERATIONS IN CALCIUM-TWO-P	620077
LYCINE/ A DIPOLAR AMINO	ACID SUBSTITUTION INDUCES VOLTAGE	620028
IAL POLARIZATION/ AMINO	ACID SUBSTITUTIONS AND ION CHANNE	620025
CHROMES B5 WITH AMINO	ACID SUBSTITUTIONS IN THE MEMBRAN	620079
NNELS IMPLICATIONS FOR	ACTIVATION AND INACTIVATION MODEL	620160
INS IN CALMODULIN IMPAIR	ACTIVATION OF RBC CALCIUM-TWO-PL	620077
L AND MEMBRANE FUSION	ACTIVITY OF SYNEXIN AND OTHER ME	620015
TASSIUM-PLUS CHANNELS	ACTS AS A KRB CONDUCTANCE SWITC	620136
SITE FROM LOW TO HIGH	AFFINITY SHAKER K CHANNEL CHARYB	620005
NEL FORMATION CYSTEINE	AFFINITY/ MUTATIONAL ANALYSIS OF	620172
LUORESCENCE RECOVERY	AFTER PHOTOBLEACHING/ THE LATER	620092
NTERFACE DRAMATICALLY	ALTER ION CHANNEL GATING ACETYLC	620061
SITE-SPECIFIC AMINO ACID	ALTERATIONS IN CALCIUM-TWO-PLUS B	620077
TROSCOPIC ANALYSIS OF	ALTERED REACTION PATHWAYS IN SITE	620056
S-ATPASE/ SITE-SPECIFIC	AMINO ACID ALTERATIONS IN CALCIUM-	620077
ATE GLYCINE/ A DIPOLAR	AMINO ACID SUBSTITUTION INDUCES V	620028
ERFACIAL POLARIZATION/	AMINO ACID SUBSTITUTIONS AND ION	620025
F CYTOCHROMES B5 WITH	AMINO ACID SUBSTITUTIONS IN THE ME	620079
-SUBSTITUTED GRAMICIDIN	ANALOGUES DOUBLE HELIX HYBRID CH	620145
MOBILIZED TRUNCATED FB	ANALOGUES OF THE B-DOMAIN FROM	620087
ESIS BAND 3 MUTAGENEIS	ANION TRANSPORT XENOPUS OOCYTE	620098
OTHER MEMBERS OF THE	ANNEXIN GENE FAMILY CHANNEL CALC	620015
HANNEL CALCIUM SYNEXIN	ANNEXIN MEMBRANE FUSION/ CALCIU	620015
TERACTIONS OF MAGAININ	ANTIBIOTIC PEPTIDES IN LIPID BILAYER	620012
RESONANCE STUDIES OF	AQUEOUS AND TRANSMEMBRANE REC	620082
T/ THE ESCHERICHIA COLI	ASPARTATE RECEPTOR OLIGOMERIZAT	620069
T OF PROTEIN DOMAINS IS	ASSOCIATED WITH VOLTAGE GATING O	620123
AL PROTEIN-A/ MULTISITE	ASSOCIATION BY RECOMBINANT PROT	620087
EL SEQUENCE ANALYSIS/	ATOMIC SCALE STRUCTURE AND FUNC	620238
	B	
ED FB ANALOGUES OF THE	B-DOMAIN FROM STAPHYLOCOCCAL P	620087
ASE OF A CAGED SERINE/	BACTERIAL CHEMORECEPTOR SIGNALI	620067
MEMBRANE ASSEMBLY OF	BACTERIO-OPSIN MUTANTS EXPRESSE	620054
TS THE D212N MUTANT OF	BACTERIORHODOPSIN EXPRESSED IN H	620058
PHOSPHOLIPID BILAYERS	BACTERIORHODOPSIN HALOBACTERIU	620054
E-DIRECTED MUTAGENESIS	BAND 3 MUTAGENEIS ANION TRANSPO	620098
TE BINDING SITE IN MOUSE	BAND-3 BY SITE-DIRECTED MUTAGENES	620098
ODEL OF GATING/ KINETIC	BEHAVIOR OF CLONED MOUSE ACETYL	620072
ETICALLY FEASIBLE?/ IS A	BETA-BARREL MODEL OF THE POTASSI	620019
TIBIOTIC PEPTIDES IN LIPID	BILAYERS A SOLID-STATE NUCLEAR M	620012
TEINS INTO PHOSPHOLIPID	BILAYERS BACTERIORHODOPSIN HALO	620054
NS IN CALCIUM-TWO-PLUS	BINDING DOMAINS IN CALMODULIN IMP	620077
T PROTEINS CAN ENHANCE	BINDING SELECTIVITY PREFERENTIAL R	620087
NGES ITS CHARYBDOTOXIN	BINDING SITE FROM LOW TO HIGH AFFI	620005
E STILBENE DISULFONATE	BINDING SITE IN MOUSE BAND-3 BY SIT	620098
INDING SITE SUBSTANCE P	BINDING SITE RECEPTOR/ THE EXTRAC	620059
ISES PART OF THE LIGAND	BINDING SITE SUBSTANCE P BINDING SI	620059
MBRANE-BINDING DOMAIN/	BIOPHYSICAL STUDIES OF CYTOCHRO	620079
HLORIDE CHANNEL IODIDE	BLOCK AND PERMEATION CFTR PATCH	620001
TUDIES OF CYTOCHROMES	B5 WITH AMINO ACID SUBSTITUTIONS I	620079
	C	
ASH PHOTORELEASE OF A	CAGED SERINE/ BACTERIAL CHEMORE	620067
EXIN MEMBRANE FUSION/	CALCIUM CHANNEL AND MEMBRANE FU	620015
ATION SODIUM CHANNELS	CALCIUM CHANNEL BLOCK/ EXPRESSE	620037
SENSITIVITY TO EXTERNAL	CALCIUM CONCENTRATION SODIUM CH	620037
TPASE USING SODIUM AND	CALCIUM PUMP CHIMERIC MOLECULES	620220
IN GENE FAMILY CHANNEL	CALCIUM SYNEXIN ANNEXIN MEMBRAN	620015
INO ACID ALTERATIONS IN	CALCIUM-TWO-PLUS BINDING DOMAINS	620077
PAIR ACTIVATION OF RBC	CALCIUM-TWO-PLUS-ATPASE/ SITE-SP	620077
PLUS BINDING DOMAINS IN	CALMODULIN IMPAIR ACTIVATION OF R	620077
E AND MUTANT CONNEXIN	CDNAS/ GATING OF GAP-JUNCTION CH	620048
P JUNCTION SENESCENCE	CELL CYCLE ENDOTHELIAL CELLS/ INT	620045
S REDUCED IN SENESCENT	CELLS GAP JUNCTION SENESCENCE C	620045
HANNELS AS REVEALED IN	CELLS STABLY TRANSFECTED WITH WI	620048
CHINESE HAMSTER OVARY	CELLS/ PHOSPHORYLATION OF A CON	620031
BLOCK AND PERMEATION	CFTR PATCH CLAMP PROTEIN KINASE	620001
BRANE FUSION/ CALCIUM	CHANNEL AND MEMBRANE FUSION ACT	620015
DIUM CHANNELS CALCIUM	CHANNEL BLOCK/ EXPRESSED SODIUM	620037
HE ANNEXIN GENE FAMILY	CHANNEL CALCIUM SYNEXIN ANNEXIN	620015
SHAKER POTASSIUM-PLUS	CHANNEL CHANGES ITS CHARYBDOTO	620005
OCK/ EXPRESSED SODIUM	CHANNEL CLONES DIFFER IN THEIR SE	620037
IONIC/ DOES THE SODIUM	CHANNEL CONDUCT IONS THROUGH A	620022
IN THE DIPHTHERIA TOXIN	CHANNEL CONDUCTANCE PH SITE-DIRE	620041
OF THE POTASSIUM-PLUS	CHANNEL ENERGETICALLY FEASIBLE?/	620019
CONNEXIN MUTAGENESIS	CHANNEL FORMATION CYSTEINE AFFIN	620172
D SUBSTITUTIONS AND ION	CHANNEL FUNCTION MODEL-DEPENDEN	620025
DRAMATICALLY ALTER ION	CHANNEL GATING ACETYLCHOLINE RE	620061
K TRANSMEMBRANE HELIX	CHANNEL GATING HYDROGEN BONDING	620110
HE ROLE OF WATER IN ION	CHANNEL GATING ION CHANNEL GATIN	620101
CE REGULATOR CHLORIDE	CHANNEL IODIDE BLOCK AND PERMEAT	620001
MS OF A LEU-ZERVAMICIN	CHANNEL PROLINE KINK TRANSMEMBR	620110
AGE GATING OF THE VDAC	CHANNEL/ LARGE SCALE REARRANGE	620123
CETYLCHOLINE RECEPTOR	CHANNEL/ THREONINE IN THE SELECTI	620196
ELATED POTASSIUM-PLUS	CHANNELS ACTS AS A KRB CONDUCTA	620136
GATING OF GAP-JUNCTION	CHANNELS AS REVEALED IN CELLS ST	620048
TA-63-HELICAL GRAMICIDIN	CHANNELS BETWEEN SEQUENCE-SUBS	620140
CE STATES IN GRAMICIDIN	CHANNELS HEXAFLUOROVALINE GATIN	620028
SHAKER POTASSIUM-PLUS	CHANNELS IMPLICATIONS FOR ACTIVAT	620160
LTAGE-GATED POTASSIUM	CHANNELS VOLTAGE-GATED CHANNEL	620238
ONNEXIN43 GAP JUNCTION	CHANNELS/ PHOSPHORYLATION SHIFT	620051
US CHANNEL CHANGES ITS	CHARYBDOTOXIN BINDING SITE FROM	620005
YBDOTOXIN RECOMBINANT	CHARYBDOTOXIN POINT MUTATIONS K	620008
INTERACTION SURFACE OF	CHARYBDOTOXIN RECOMBINANT CHAR	620008
FINITY SHAKER K CHANNEL	CHARYBDOTOXIN SITE-DIRECTED MUTA	620005
AGED SERINE/ BACTERIAL	CHEMORECEPTOR SIGNALING PROBED	620067
OM THE ESCHERICHIA COLI	CHEMOSENSORY PATHWAY RECEPTOR	620082
ICS OF ESCHERICHIA COLI	CHEMOSENSORY RECEPTORS ENGINEE	620209
DRYL STUDIES RECEPTOR	CHEMOTAXIS E COLI CYSTEINE DISULFI	620209
DIUM AND CALCIUM PUMP	CHIMERIC MOLECULES/ MOLECULAR D	620220
RRENTS IN TRANSFECTED	CHINESE HAMSTER OVARY CELLS/ PH	620031
ONDUCTANCE REGULATOR	CHLORIDE CHANNEL IODIDE BLOCK AN	620001
NG/ KINETIC BEHAVIOR OF	CLONED MOUSE ACETYLCHOLINE REC	620072
RESSED SODIUM CHANNEL	CLONES DIFFER IN THEIR SENSITIVITY	620037
GMENT/ THE ESCHERICHIA	COLI ASPARTATE RECEPTOR OLIGOME	620069
S FROM THE ESCHERICHIA	COLI CHEMOSENSORY PATHWAY RECE	620082
YNAMICS OF ESCHERICHIA	COLI CHEMOSENSORY RECEPTORS EN	620209
L CELLS/ INTERCELLULAR	COMMUNICATION THROUGH GAP JUNC	620045
TIAL REMOVAL OF IMMUNE	COMPLEXES FROM SERUM BY IMMOBI	620087
N KINETICS MUTAGENESIS	COMPUTER MOLECULAR MODELS/ AN	620095
TY TO EXTERNAL CALCIUM	CONCENTRATION SODIUM CHANNELS C	620037
WATER-FILLED PORE OR A	CONDENSED-STATE PATHWAY? SODIU	620022
ES THE SODIUM CHANNEL	CONDUCT IONS THROUGH A WATER-FIL	620022
RYLATION SHIFTS UNITARY	CONDUCTANCE AND MODIFIES VOLTAG	620051
IPHTHERIA TOXIN CHANNEL	CONDUCTANCE PH SITE-DIRECTED MUT	620041
IBROSIS TRANSMEMBRANE	CONDUCTANCE REGULATOR CHLORIDE	620001
NS BETWEEN TWO STABLE	CONDUCTANCE STATES IN GRAMICIDIN	620028
CHANNELS ACTS AS A KRB	CONDUCTANCE SWITCH K CHANNELS D	620136
CETYLCHOLINE RECEPTOR	CONFORMATIONAL CHANGE DESENSITI	620064
E-DIRECTED MUTAGENESIS	CONFORMATIONAL CHANGE/ F-19 NUC	620082
SITIZATION FTIR/ PROBING	CONFORMATIONAL CHANGES IN THE NI	620064
H WILD-TYPE AND MUTANT	CONNEXIN CDNAS/ GATING OF GAP-JU	620048
ORMATION GAP JUNCTION	CONNEXIN MUTAGENESIS CHANNEL FO	620172
P JUNCTIONS FORMED BY	CONNEXINS-26 AND 32/ MOLECULAR A	620183
DENT KINETICS OF HUMAN	CONNEXIN43 GAP JUNCTION CHANNEL	620051
PHOSPHORYLATION OF A	CONSERVED PROTEIN KINASE-C SITE IS	620031
YSIS AND REFINEMENT OF	CRITERIA FOR PREDICTING THE STRUC	620107
INTERLEUKIN-1, BASED ON	CRYSTALLOGRAPHIC AND MODELING S	620112
E AND FUNCTION/ GATING	CURRENTS FROM A DELAYED RECTIFIE	620034
IVATION MODELS/ GATING	CURRENTS IN SHAKER POTASSIUM-PLU	620160
ULATION OF SODIUM-PLUS	CURRENTS IN TRANSFECTED CHINESE	620031
ESIS CHANNEL FORMATION	CYSTEINE AFFINITY/ MUTATIONAL ANA	620172
PTOR CHEMOTAXIS E COLI	CYSTEINE DISULFIDE SITE-DIRECTED M	620209
PITHELIA SECRETION/ THE	CYSTIC FIBROSIS TRANSMEMBRANE C	620001
BIOPHYSICAL STUDIES OF	CYTOCHROMES B5 WITH AMINO ACID S	620079
OLIGOMERIZATION OF THE	CYTOPLASMIC FRAGMENT/ THE ESCHE	620069

Subject Context	Keyword	Ref. No.
	D	
NCE SWITCH K CHANNELS	DEEP PORE K CONDUCTANCE RB COND	620136
ONPOLAR RESIDUE IN THE	DEEP PORE OF RELATED POTASSIUM-P	620136
SE EC-342415 INVOLVED IN	DEGRADING GONADOTROPIN RELEASIN	620119
ATING CURRENTS FROM A	DELAYED RECTIFIER POTASSIUM-PLUS	620034
AR ANALYSIS OF VOLTAGE	DEPENDENCE OF HETEROTYPIC GAP J	620183
ONFORMATIONAL CHANGE	DESENSITIZATION FTIR/ PROBING CON	620064
OLE OF PRO/HYP-KINKS IN	DETERMINING THE TRANSMEMBRANE H	620110
BY FOURIER TRANSFORM	DIFFERENCE SPECTROSCOPY ACETYL	620064
TRYPTOPHAN GRAMICIDIN	DIFFUSION CONTROL INTERFACIAL POL	620025
CATING A RESIDUE IN THE	DIPHTHERIA TOXIN CHANNEL CONDUCT	620041
G SUBSTRATE GLYCINE/ A	DIPOLAR AMINO ACID SUBSTITUTION IN	620028
MOLECULES/ MOLECULAR	DISSECTION OF FUNCTIONAL DOMAINS	620220
MOTAXIS E COLI CYSTEINE	DISULFIDE SITE-DIRECTED MUTAGENESI	620209
FICANCE OF THE STILBENE	DISULFONATE BINDING SITE IN MOUSE	620098
OR/ THE EXTRACELLULAR	DOMAIN OF SUBSTANCE-P NK1 RECEPT	620059
N THE MEMBRANE-BINDING	DOMAIN/ BIOPHYSICAL STUDIES OF CY	620079
LCIUM-TWO-PLUS BINDING	DOMAINS IN CALMODULIN IMPAIR ACTI	620077
RRANGEMENT OF PROTEIN	DOMAINS IS ASSOCIATED WITH VOLTA	620123
SSECTION OF FUNCTIONAL	DOMAINS OF THE E1E2-ATPASE USING	620220
RANSMEMBRANAL HELICAL	DOMAINS TRANSMEMBRANAL HELIX RE	620107
D GRAMICIDIN ANALOGUES	DOUBLE HELIX HYBRID CHANNELS PRO	620145
E-DIRECTED MUTANTS THE	D212N MUTANT OF BACTERIORHODOP	620056
	E	
S RECEPTOR CHEMOTAXIS	E COLI CYSTEINE DISULFIDE SITE-DIRE	620209
METALLOENDOPEPTIDASE	EC-342415 INVOLVED IN DEGRADING G	620119
IS DETERMINED BY THEIR	ECTODOMAINS LATERAL DIFFUSION GP	620092
NNEL GATING SELECTIVITY	ELASTOMER FERROELECTRIC SUPERIO	620022
TING ION CHANNEL GATING	ELECTRIC FIELD WATER/ SIMULATION	620101
SENESCENCE CELL CYCLE	ENDOTHELIAL CELLS/ INTERCELLULAR	620045
OTASSIUM-PLUS CHANNEL	ENERGETICALLY FEASIBLE?/ IS A BETA	620019
EMOSENSORY RECEPTORS	ENGINEERED SULFHYDRYL STUDIES RE	620209
OMBINANT PROTEINS CAN	ENHANCE BINDING SELECTIVITY PREFE	620087
CLAMP PROTEIN KINASE A	EPITHELIA SECRETION/ THE CYSTIC FI	620001
PLASMIC FRAGMENT/ THE	ESCHERICHIA COLI ASPARTATE RECEP	620069
ORS EXAMPLES FROM THE	ESCHERICHIA COLI CHEMOSENSORY P	620082
CTURE AND DYNAMICS OF	ESCHERICHIA COLI CHEMOSENSORY R	620209
STILBENE DISULFONATES/	EXPLORATION OF THE FUNCTIONAL SI	620098
OF BACTERIORHODOPSIN	EXPRESSED IN HALOBACTERIUM HALO	620056
EN-PLUS-ATPASE A NOVEL	EXPRESSION SYSTEM P-TYPE ATPASES	620228
R IN THEIR SENSITIVITY TO	EXTERNAL CALCIUM CONCENTRATION	620037
DING SITE RECEPTOR/ THE	EXTRACELLULAR DOMAIN OF SUBSTAN	620059
CTIONAL DOMAINS OF THE	E1E2-ATPASE USING SODIUM AND CAL	620220
	F	
NFORMATIONAL CHANGE/	F-19 NUCLEAR MAGNETIC RESONANCE	620082
SCENCE STUDIES/ STERIC	FACTORS LIMIT ACCESS TO THE NONC	620074
RS OF THE ANNEXIN GENE	FAMILY CHANNEL CALCIUM SYNEXIN A	620015
IMMOBILIZED TRUNCATED	FB ANALOGUES OF THE B-DOMAIN FRO	620087
CHANNEL ENERGETICALLY	FEASIBLE?/ IS A BETA-BARREL MODEL	620019
SELECTIVITY ELASTOMER	FERROELECTRIC SUPERIONIC/ DOES T	620022
A SECRETION/ THE CYSTIC	FIBROSIS TRANSMEMBRANE CONDUCT	620001
ONINE IN THE SELECTIVITY	FILTER OF THE ACETYLCHOLINE RECEP	620196
OR SIGNALING PROBED BY	FLASH PHOTORELEASE OF A CAGED S	620067
TEIN MEMBRANE PROTEIN	FLUORESCENCE RECOVERY AFTER PH	620092
CETYLCHOLINE RECEPTOR	FLUORESCENCE STUDIES/ STERIC FAC	620074
TOPHAN PHENYLALANINE/	FORMATION OF NON-BETA-63-HELICAL	620145
YLCHOLINE RECEPTOR BY	FOURIER TRANSFORM DIFFERENCE SP	620064
LOBACTERIUM HALOBIUM/	FOURIER TRANSFORM INFRARED SPEC	620056
ION OF THE CYTOPLASMIC	FRAGMENT/ THE ESCHERICHIA COLI AS	620069
CHANGE DESENSITIZATION	FTIR/ PROBING CONFORMATIONAL CH	620064
UTIONS AND ION CHANNEL	FUNCTION MODEL-DEPENDENT CONCL	620025
OLECULAR DISSECTION OF	FUNCTIONAL DOMAINS OF THE E1E2-A	620220
ES/ EXPLORATION OF THE	FUNCTIONAL SIGNIFICANCE OF THE STI	620098
CHANNEL AND MEMBRANE	FUSION ACTIVITY OF SYNEXIN AND OT	620015
PTIDE MEMBRANE FUSION	FUSION KINETICS MUTAGENESIS COMP	620095
LUTININ INFLUENZA VIRUS	FUSION PEPTIDE MEMBRANE FUSION F	620095
MODELS/ ANALYZING THE	FUSION PROCESS OF INFLUENZA HEM	620095
	G	
S OF HUMAN CONNEXIN43	GAP JUNCTION CHANNELS/ PHOSPHOR	620051
AP JUNCTION FORMATION	GAP JUNCTION CONNEXIN MUTAGENESI	620172
MUTATIONAL ANALYSIS OF	GAP JUNCTION FORMATION GAP JUNC	620172
CED IN SENESCENT CELLS	GAP JUNCTION SENESCENCE CELL CY	620045
NDENCE OF HETEROTYPIC	GAP JUNCTIONS FORMED BY CONNEXI	620183
OMMUNICATION THROUGH	GAP JUNCTIONS IS REDUCED IN SENES	620045
NEXIN CDNAS/ GATING OF	GAP-JUNCTION CHANNELS AS REVEALE	620048
ALLY ALTER ION CHANNEL	GATING ACETYLCHOLINE RECEPTOR SI	620061
RUCTURE AND FUNCTION/	GATING CURRENTS FROM A DELAYED	620034
D INACTIVATION MODELS/	GATING CURRENTS IN SHAKER POTASS	620160
NEL GATING ION CHANNEL	GATING ELECTRIC FIELD WATER/ SIMU	620101
F WATER IN ION CHANNEL	GATING ION CHANNEL GATING ELECTRI	620101
BRANE HELIX LENGTH AND	GATING MECHANISMS OF A LEU-ZERVA	620110
UTANT CONNEXIN CDNAS/	GATING OF GAP-JUNCTION CHANNELS	620048
SSOCIATED WITH VOLTAGE	GATING OF THE VDAC CHANNEL/ LARG	620123
THWAY? SODIUM CHANNEL	GATING SELECTIVITY ELASTOMER FER	620022
NELS HEXAFLUOROVALINE	GATING SUBSTRATE GLYCINE/ A DIPOL	620028
OUS, STEPWISE MODEL OF	GATING/ KINETIC BEHAVIOR OF CLONE	620072
EMBERS OF THE ANNEXIN	GENE FAMILY CHANNEL CALCIUM SYNE	620015
SONANCE SPECTROSCOPY	GLUTATHIONE TRANSFERASE SPIN-LAB	620116
ALINE GATING SUBSTRATE	GLYCINE/ A DIPOLAR AMINO ACID SUB	620028
5 INVOLVED IN DEGRADING	GONADOTROPIN RELEASING HORMONE	620119
AINS LATERAL DIFFUSION	GPI-LINKED PROTEIN MEMBRANE PROT	620092
SEQUENCE-SUBSTITUTED	GRAMICIDIN ANALOGUES DOUBLE HELI	620145
OF NON-BETA-63-HELICAL	GRAMICIDIN CHANNELS BETWEEN SEQ	620145
CONDUCTANCE STATES IN	GRAMICIDIN CHANNELS HEXAFLUOROV	620028
ONS KINETIC TRYPTOPHAN	GRAMICIDIN DIFFUSION CONTROL INTE	620025
	H	
H SITE-DIRECTED MUTANTS	HAIRPIN LOOP/ LOCATING A RESIDUE I	620041
N MUTANTS EXPRESSED IN	HALOBACTERIA AND INCORPORATION	620054
ERS BACTERIORHODOPSIN	HALOBACTERIUM HALOBIUM MEMBRAN	620054
RHODOPSIN EXPRESSED IN	HALOBACTERIUM HALOBIUM/ FOURIER	620056
ESSED IN HALOBACTERIUM	HALOBIUM/ FOURIER TRANSFORM INF	620056
IN TRANSFECTED CHINESE	HAMSTER OVARY CELLS/ PHOSPHORY	620031
NS OF TRANSMEMBRANAL	HELICAL DOMAINS TRANSMEMBRANAL	620107
ING THE TRANSMEMBRANE	HELIX LENGTH AND GATING MECHANIS	620110
N PROCESS OF INFLUENZA	HEMAGGLUTININ BY MUTAGENESIS AND	620095
ND MOLECULAR MODELING	HEMAGGLUTININ INFLUENZA VIRUS FUS	620095
VOLTAGE DEPENDENCE OF	HETEROTYPIC GAP JUNCTIONS FORME	620183
IN GRAMICIDIN CHANNELS	HEXAFLUOROVALINE GATING SUBSTRA	620028
INDING SITE FROM LOW TO	HIGH AFFINITY SHAKER K CHANNEL CH	620005
ONADOTROPIN RELEASING	HORMONE/ STRUCTURAL AND FUNCTI	620119
E-DEPENDENT KINETICS OF	HUMAN CONNEXIN43 GAP JUNCTION C	620051
NALOGUES DOUBLE HELIX	HYBRID CHANNELS PROTEIN FOLDING	620145
NE HELIX CHANNEL GATING	HYDROGEN BONDING/ THE ROLE OF P	620110
EAST PLASMA MEMBRANE	HYDROGEN-PLUS-ATPASE A NOVEL EX	620228
S LIPID BILAYER/ MAPPING	HYDROPHOBIC RESIDUES OF THE INTE	620008
	I	
IC AND MODELING STUDIES	IL1-INTERLEUKIN-1/ STRUCTURE AND F	620112
PLEXES FROM SERUM BY	IMMOBILIZED TRUNCATED FB ANALOGU	620087
EFERENTIAL REMOVAL OF	IMMUNE COMPLEXES FROM SERUM BY	620087
DOMAINS IN CALMODULIN	IMPAIR ACTIVATION OF RBC CALCIUM-T	620077
IONS FOR ACTIVATION AND	INACTIVATION MODELS/ GATING CURR	620160
ED IN HALOBACTERIA AND	INCORPORATION OF THE PROTEINS INT	620054
THE FUSION PROCESS OF	INFLUENZA HEMAGGLUTININ BY MUTAG	620095
ODELING HEMAGGLUTININ	INFLUENZA VIRUS FUSION PEPTIDE ME	620095
UM/ FOURIER TRANSFORM	INFRARED SPECTROSCOPIC ANALYSIS	620056
TO THE NONCOMPETITIVE	INHIBITOR SITE OF THE NICOTINIC ACET	620074
CLE ENDOTHELIAL CELLS/	INTERCELLULAR COMMUNICATION THR	620045
TOR AT THE LIPID-PROTEIN	INTERFACE DRAMATICALLY ALTER ION	620061
CIDIN DIFFUSION CONTROL	INTERFACIAL POLARIZATION/ AMINO A	620025
CTURE AND FUNCTION OF	INTERLEUKIN-1, BASED ON CRYSTALLO	620112
NDOPEPTIDASE EC-342415	INVOLVED IN DEGRADING GONADOTRO	620119
ATOR CHLORIDE CHANNEL	IODIDE BLOCK AND PERMEATION CFTR	620001
ACID SUBSTITUTIONS AND	ION CHANNEL FUNCTION MODEL-DEPE	620025
CE DRAMATICALLY ALTER	ION CHANNEL GATING ACETYLCHOLINE	620061
R IN ION CHANNEL GATING	ION CHANNEL GATING ELECTRIC FIELD	620101
F THE ROLE OF WATER IN	ION CHANNEL GATING ION CHANNEL GA	620101
ENOPUS LAEVIS OOCYTES	ION CHANNEL GATING TORPEDO CALIF	620061
ANE PROTEIN STRUCTURE	ION CHANNEL SEQUENCE ANALYSIS/ A	620238
UREMENTS/ SIZING OF AN	ION PORE BY ACCESS RESISTANCE ME	620010
ODIUM CHANNEL CONDUCT	IONS THROUGH A WATER-FILLED PORE	620022
	J	
HUMAN CONNEXIN43 GAP	JUNCTION CHANNELS/ PHOSPHORYLA	620051
TIONAL ANALYSIS OF GAP	JUNCTION FORMATION GAP JUNCTION	620172
NCE OF HETEROTYPIC GAP	JUNCTIONS FORMED BY CONNEXINS-2	620183
UNICATION THROUGH GAP	JUNCTIONS IS REDUCED IN SENESCENT	620045
	K	
RB CONDUCTANCE SWITCH	K CHANNELS DEEP PORE K CONDUCTA	620136
OTOXIN POINT MUTATIONS	K CHANNELS LIPID BILAYER/ MAPPING	620008
H K CHANNELS DEEP PORE	K CONDUCTANCE RB CONDUCTANCE/	620136
F A CONSERVED PROTEIN	KINASE-C SITE IS REQUIRED FOR MOD	620031
PWISE MODEL OF GATING/	KINETIC BEHAVIOR OF CLONED MOUSE	620072
DEPENDENT CONCLUSIONS	KINETIC TRYPTOPHAN GRAMICIDIN DIFF	620025
FIES VOLTAGE-DEPENDENT	KINETICS OF HUMAN CONNEXIN43 GAP	620051
	L	
G OF THE VDAC CHANNEL/	LARGE SCALE REARRANGEMENT OF P	620123
D BY THEIR ECTODOMAINS	LATERAL DIFFUSION GPI-LINKED PROT	620092

Subject Context	▾ Keyword	Ref. No.
R PHOTOBLEACHING/ THE	LATERAL MOBILITY OF SOME MEMBRA	620092
E TRANSMEMBRANE HELIX	LENGTH AND GATING MECHANISMS OF	620110
GATING MECHANISMS OF A	LEU-ZERVAMICIN CHANNEL PROLINE KI	620110
COMPRISES PART OF THE	LIGAND BINDING SITE SUBSTANCE P BI	620059
TUDIES/ STERIC FACTORS	LIMIT ACCESS TO THE NONCOMPETITIV	620074
T MUTATIONS K CHANNELS	LIPID BILAYER/ MAPPING HYDROPHOBI	620008
IN ANTIBIOTIC PEPTIDES IN	LIPID BILAYERS A SOLID-STATE NUCLE	620012
HOLINE RECEPTOR AT THE	LIPID-PROTEIN INTERFACE DRAMATICA	620061
MUTANTS HAIRPIN LOOP/	LOCATING A RESIDUE IN THE DIPHTHER	620041
TOXIN BINDING SITE FROM	LOW TO HIGH AFFINITY SHAKER K CHA	620005

M

RE AND INTERACTIONS OF	MAGAININ ANTIBIOTIC PEPTIDES IN LIPI	620012
ESONANCE INVESTIGATION	MAGAININ NUCLEAR MAGNETIC RESON	620012
A SOLID-STATE NUCLEAR	MAGNETIC RESONANCE INVESTIGATION	620012
MUTAGENESIS IN NUCLEAR	MAGNETIC RESONANCE SPECTROSCOP	620116
L CHANGE/ F-19 NUCLEAR	MAGNETIC RESONANCE STUDIES OF A	620082
CHANNELS LIPID BILAYER/	MAPPING HYDROPHOBIC RESIDUES OF	620008
HELIX LENGTH AND GATING	MECHANISMS OF A LEU-ZERVAMICIN C	620110
Y OF SYNEXIN AND OTHER	MEMBERS OF THE ANNEXIN GENE FAMI	620015
E-SPECIFIC MUTAGENESIS/	MEMBRANE ASSEMBLY OF BACTERIO-	620054
/ CALCIUM CHANNEL AND	MEMBRANE FUSION ACTIVITY OF SYNE	620015
ZA VIRUS FUSION PEPTIDE	MEMBRANE FUSION FUSION KINETICS	620095
ALCIUM SYNEXIN ANNEXIN	MEMBRANE FUSION/ CALCIUM CHANNE	620015
IS OF THE YEAST PLASMA	MEMBRANE HYDROGEN-PLUS-ATPASE	620228
ALOBACTERIUM HALOBIUM	MEMBRANE INSERTION SITE-SPECIFIC	620054
SION GPI-LINKED PROTEIN	MEMBRANE PROTEIN FLUORESCENCE	620092
ULAR COMPUTER MODELS	MEMBRANE PROTEIN STRUCTURE ION	620238
NANCE SOLID-STATE NMR	MEMBRANE PROTEIN STRUCTURE PRO	620012
TERAL MOBILITY OF SOME	MEMBRANE PROTEINS IS DETERMINED	620092
CID SUBSTITUTIONS IN THE	MEMBRANE-BINDING DOMAIN/ BIOPHYS	620079
FUNCTIONAL STUDIES OF	METALLOENDOPEPTIDASE EC-342415 I	620119
BLEACHING/ THE LATERAL	MOBILITY OF SOME MEMBRANE PROTE	620092
GENESIS AND MOLECULAR	MODELING HEMAGGLUTININ INFLUENZA	620095
ITARY CONDUCTANCE AND	MODIFIES VOLTAGE-DEPENDENT KINETI	620051
E-C SITE IS REQUIRED FOR	MODULATION OF SODIUM-PLUS CURRE	620031
Y CONNEXINS-26 AND 32/	MOLECULAR ANALYSIS OF VOLTAGE D	620183
LS POTASSIUM CHANNELS	MOLECULAR COMPUTER MODELS MEM	620238
P CHIMERIC MOLECULES/	MOLECULAR DISSECTION OF FUNCTIO	620220
ININ BY MUTAGENESIS AND	MOLECULAR MODELING HEMAGGLUTINI	620095
CALCIUM PUMP CHIMERIC	MOLECULES/ MOLECULAR DISSECTION	620220
TIC BEHAVIOR OF CLONED	MOUSE ACETYLCHOLINE RECEPTORS A	620072
ULFONATE BINDING SITE IN	MOUSE BAND-3 BY SITE-DIRECTED MUT	620098
HYLOCOCCAL PROTEIN-A/	MULTISITE ASSOCIATION BY RECOMBIN	620087
TED MUTAGENESIS BAND 3	MUTAGENEIS ANION TRANSPORT XENO	620098
UENZA HEMAGGLUTININ BY	MUTAGENESIS AND MOLECULAR MODE	620095
BAND-3 BY SITE-DIRECTED	MUTAGENESIS BAND 3 MUTAGENEIS AN	620098
GAP JUNCTION CONNEXIN	MUTAGENESIS CHANNEL FORMATION C	620172
FUSION FUSION KINETICS	MUTAGENESIS COMPUTER MOLECULAR	620095
PTOR NMR SITE-DIRECTED	MUTAGENESIS CONFORMATIONAL CHA	620082
ICATION OF SITE-DIRECTED	MUTAGENESIS IN NUCLEAR MAGNETIC	620116
OSPHORYLATION DOMAIN/	MUTAGENESIS OF THE YEAST PLASMA	620228
TED WITH WILD-TYPE AND	MUTANT CONNEXIN CDNAS/ GATING O	620048
CTED MUTANTS THE D212N	MUTANT OF BACTERIORHODOPSIN EXP	620056
MBLY OF BACTERIO-OPSIN	MUTANTS EXPRESSED IN HALOBACTER	620054
THWAYS IN SITE-DIRECTED	MUTANTS THE D212N MUTANT OF BAC	620056
CTED MUTATION/ A POINT	MUTATION IN A SHAKER POTASSIUM-PL	620005
TION CYSTEINE AFFINITY/	MUTATIONAL ANALYSIS OF GAP JUNCT	620172
LIFORNICA/ SITE-SPECIFIC	MUTATIONS OF NICOTINIC ACETYLCHO	620061

N

E-SPECIFIC MUTATIONS OF	NICOTINIC ACETYLCHOLINE RECEPTOR	620061
ATIONAL CHANGES IN THE	NICOTINIC ACETYLCHOLINE RECEPTOR	620084
IVE INHIBITOR SITE OF THE	NICOTINIC ACETYLCHOLINE RECEPTOR	620074
TRANSFERASE SPIN-LABEL	NITROXIDE/ APPLICATION OF SITE-DIRE	620116
DOMAIN OF SUBSTANCE-P	NK1 RECEPTOR COMPRISES PART OF T	620059
ORY PATHWAY RECEPTOR	NMR SITE-DIRECTED MUTAGENESIS CO	620082
LALANINE/ FORMATION OF	NON-BETA-63-HELICAL GRAMICIDIN CHA	620145
ORS LIMIT ACCESS TO THE	NONCOMPETITIVE INHIBITOR SITE OF T	620074
CONDUCTANCE/ A SINGLE	NONPOLAR RESIDUE IN THE DEEP POR	620136
YDROGEN-PLUS-ATPASE A	NOVEL EXPRESSION SYSTEM P-TYPE A	620228
BILAYERS A SOLID-STATE	NUCLEAR MAGNETIC RESONANCE INVE	620012
INVESTIGATION MAGAININ	NUCLEAR MAGNETIC RESONANCE SOLI	620012
IRECTED MUTAGENESIS IN	NUCLEAR MAGNETIC RESONANCE SPE	620116
RMATIONAL CHANGE/ F-19	NUCLEAR MAGNETIC RESONANCE STU	620082

O

QUIRED FOR MODULATION	OF SODIUM-PLUS CURRENTS IN TRANS	620031
LI ASPARTATE RECEPTOR	OLIGOMERIZATION OF THE CYTOPLAS	620069
STRUCTURE AND RELATIVE	ORIENTATIONS OF TRANSMEMBRANAL	620107
ECTED CHINESE HAMSTER	OVARY CELLS/ PHOSPHORYLATION OF	620031

P

VEL EXPRESSION SYSTEM	P-TYPE ATPASES SECRETORY VESICLE	620228
K1 RECEPTOR COMPRISES	PART OF THE LIGAND BINDING SITE SU	620059
K AND PERMEATION CFTR	PATCH CLAMP PROTEIN KINASE A EPIT	620001
HIA COLI CHEMOSENSORY	PATHWAY RECEPTOR NMR SITE-DIRECT	620082
E OR A CONDENSED-STATE	PATHWAY? SODIUM CHANNEL GATING	620022
IS OF ALTERED REACTION	PATHWAYS IN SITE-DIRECTED MUTANT	620056
S OF MAGAININ ANTIBIOTIC	PEPTIDES IN LIPID BILAYERS A SOLID-S	620012
ANNEL IODIDE BLOCK AND	PERMEATION CFTR PATCH CLAMP PRO	620001
CHANNEL CONDUCTANCE	PH SITE-DIRECTED MUTANTS HAIRPIN L	620041
EIN FOLDING TRYPTOPHAN	PHENYLALANINE/ FORMATION OF NON-	620145
ON OF THE PROTEINS INTO	PHOSPHOLIPID BILAYERS BACTERIORH	620064
RETORY VESICLE ATPASE	PHOSPHORYLATION DOMAIN/ MUTAGE	620228
HAMSTER OVARY CELLS/	PHOSPHORYLATION OF A CONSERVED	620031
AP JUNCTION CHANNELS/	PHOSPHORYLATION SHIFTS UNITARY C	620051
NALING PROBED BY FLASH	PHOTORELEASE OF A CAGED SERINE/	620067
TAGENESIS OF THE YEAST	PLASMA MEMBRANE HYDROGEN-PLUS-	620228
E-DIRECTED MUTATION/ A	POINT MUTATION IN A SHAKER POTASS	620005
MBINANT CHARYBDOTOXIN	POINT MUTATIONS K CHANNELS LIPID B	620008
MENTS/ SIZING OF AN ION	PORE BY ACCESS RESISTANCE MEASU	620010
LAR RESIDUE IN THE DEEP	PORE OF RELATED POTASSIUM-PLUS C	620136
THROUGH A WATER-FILLED	PORE OR A CONDENSED-STATE PATHW	620022
SIUM-PLUS WITH ALTERED	PORE STRUCTURE AND FUNCTION/ GA	620034
OLTAGE-GATED CHANNELS	POTASSIUM CHANNELS MOLECULAR C	620238
DELS OF VOLTAGE-GATED	POTASSIUM CHANNELS VOLTAGE-GATE	620238
NT MUTATION IN A SHAKER	POTASSIUM-PLUS CHANNEL CHANGES I	620005
TA-BARREL MODEL OF THE	POTASSIUM-PLUS CHANNEL ENERGETI	620019
E DEEP PORE OF RELATED	POTASSIUM-PLUS CHANNELS ACTS AS	620136
ING CURRENTS IN SHAKER	POTASSIUM-PLUS CHANNELS IMPLICATI	620160
OM A DELAYED RECTIFIER	POTASSIUM-PLUS WITH ALTERED PORE	620034
N BASED ON STATISTICAL	POTENTIAL/ PROTEIN STRUCTURE PRE	620104
INEMENT OF CRITERIA FOR	PREDICTING THE STRUCTURE AND REL	620107
IAL/ PROTEIN STRUCTURE	PREDICTION BASED ON STATISTICAL P	620104
NCE BINDING SELECTIVITY	PREFERENTIAL REMOVAL OF IMMUNE	620087
N BONDING/ THE ROLE OF	PRO/HYP-KINKS IN DETERMINING THE T	620110
EMORECEPTOR SIGNALING	PROBED BY FLASH PHOTORELEASE OF	620067
E DESENSITIZATION FTIR/	PROBING CONFORMATIONAL CHANGES	620064
/ ANALYZING THE FUSION	PROCESS OF INFLUENZA HEMAGGLUTI	620095
RS, NEUROTRANSMITTERS	PROLINE KINK RECEPTOR ACTIVATION/	620107
LEU-ZERVAMICIN CHANNEL	PROLINE KINK TRANSMEMBRANE HELIX	620110
ALE REARRANGEMENT OF	PROTEIN DOMAINS IS ASSOCIATED WIT	620123
E HELIX HYBRID CHANNELS	PROTEIN FOLDING TRYPTOPHAN PHEN	620145
ATION CFTR PATCH CLAMP	PROTEIN KINASE A EPITHELIA SECRETI	620001
LATION OF A CONSERVED	PROTEIN KINASE-C SITE IS REQUIRED F	620031
STATISTICAL POTENTIAL/	PROTEIN STRUCTURE PREDICTION BAS	620104
ID-STATE NMR MEMBRANE	PROTEIN STRUCTURE PROTEIN-LIPID IN	620012
FROM STAPHYLOCOCCAL	PROTEIN-A/ MULTISITE ASSOCIATION B	620087
ANE PROTEIN STRUCTURE	PROTEIN-LIPID INTERACTIONS/ STRUCT	620012
CIATION BY RECOMBINANT	PROTEINS CAN ENHANCE BINDING SEL	620087
D INCORPORATION OF THE	PROTEINS INTO PHOSPHOLIPID BILAYE	620054
ILITY OF SOME MEMBRANE	PROTEINS IS DETERMINED BY THEIR EC	620092
ING SODIUM AND CALCIUM	PUMP CHIMERIC MOLECULES/ MOLEC	620220

R

EP PORE K CONDUCTANCE	RB CONDUCTANCE/ A SINGLE NONPOL	620136
LIN IMPAIR ACTIVATION OF	RBC CALCIUM-TWO-PLUS-ATPASE/ SIT	620077
PIC ANALYSIS OF ALTERED	REACTION PATHWAYS IN SITE-DIRECTE	620056
CHANNEL/ LARGE SCALE	REARRANGEMENT OF PROTEIN DOMAIN	620123
NSMITTERS PROLINE KINK	RECEPTOR ACTIVATION/ ANALYSIS AN	620107
NICOTINIC ACETYLCHOLINE	RECEPTOR AT THE LIPID-PROTEIN INTE	620061
NICOTINIC ACETYLCHOLINE	RECEPTOR BY FOURIER TRANSFORM D	620064
R OF THE ACETYLCHOLINE	RECEPTOR CHANNEL/ THREONINE IN T	620196
ED SULFHYDRYL STUDIES	RECEPTOR CHEMOTAXIS E COLI CYSTE	620209
AIN OF SUBSTANCE-P NK1	RECEPTOR COMPRISES PART OF THE L	620059
NICOTINIC ACETYLCHOLINE	RECEPTOR FLUORESCENCE STUDIES/	620074
HEMOSENSORY PATHWAY	RECEPTOR NMR SITE-DIRECTED MUTAG	620082
HERICHIA COLI ASPARTATE	RECEPTOR OLIGOMERIZATION OF THE	620069
UBSTANCE P BINDING SITE	RECEPTOR/ THE EXTRACELLULAR DO	620059
D MOUSE ACETYLCHOLINE	RECEPTORS A SEMIAUTONOMOUS, STE	620072
HIA COLI CHEMOSENSORY	RECEPTORS ENGINEERED SULFHYDRY	620209
US AND TRANSMEMBRANE	RECEPTORS EXAMPLES FROM THE ES	620082
TRANSMEMBRANAL HELIX	RECEPTORS, NEUROTRANSMITTERS PR	620107
FACE OF CHARYBDOTOXIN	RECOMBINANT CHARYBDOTOXIN POINT	620008
ULTISITE ASSOCIATION BY	RECOMBINANT PROTEINS CAN ENHANC	620087
RRENTS FROM A DELAYED	RECTIFIER POTASSIUM-PLUS WITH ALT	620034
ROUGH GAP JUNCTIONS IS	REDUCED IN SENESCENT CELLS GAP J	620045
CTIVATION/ ANALYSIS AND	REFINEMENT OF CRITERIA FOR PREDIC	620107
EMBRANE CONDUCTANCE	REGULATOR CHLORIDE CHANNEL IODID	620001
DUE IN THE DEEP PORE OF	RELATED POTASSIUM-PLUS CHANNELS	620136
EGRADING GONADOTROPIN	RELEASING HORMONE/ STRUCTURAL A	620119
ELECTIVITY PREFERENTIAL	REMOVAL OF IMMUNE COMPLEXES FR	620087
PROTEIN KINASE-C SITE IS	REQUIRED FOR MODULATION OF SODI	620031
NCE/ A SINGLE NONPOLAR	RESIDUE IN THE DEEP PORE OF RELAT	620136
AIRPIN LOOP/ LOCATING A	RESIDUE IN THE DIPHTHERIA TOXIN CH	620041
/ MAPPING HYDROPHOBIC	RESIDUES OF THE INTERACTION SURFA	620008
AN ION PORE BY ACCESS	RESISTANCE MEASUREMENTS/ SIZING	620010
TATE NUCLEAR MAGNETIC	RESONANCE INVESTIGATION MAGAININ	620012
SIS IN NUCLEAR MAGNETIC	RESONANCE SPECTROSCOPY GLUTAT	620116
F-19 NUCLEAR MAGNETIC	RESONANCE STUDIES OF AQUEOUS AN	620082

Subject Context	Keyword	Ref. No.
	S	
E VDAC CHANNEL/ LARGE	SCALE REARRANGEMENT OF PROTEIN	620123
UENCE ANALYSIS/ ATOMIC	SCALE STRUCTURE AND FUNCTIONAL	620238
OTEIN KINASE A EPITHELIA	SECRETION/ THE CYSTIC FIBROSIS TR	620001
SYSTEM P-TYPE ATPASES	SECRETORY VESICLE ATPASE PHOSPH	620228
SODIUM CHANNEL GATING	SELECTIVITY ELASTOMER FERROELEC	620022
ANNEL/ THREONINE IN THE	SELECTIVITY FILTER OF THE ACETYLC	620196
INS CAN ENHANCE BINDING	SELECTIVITY PREFERENTIAL REMOVAL	620087
YLCHOLINE RECEPTORS A	SEMIAUTONOMOUS, STEPWISE MODEL	620072
ENT CELLS GAP JUNCTION	SENESCENCE CELL CYCLE ENDOTHELI	620045
JUNCTIONS IS REDUCED IN	SENESCENT CELLS GAP JUNCTION SEN	620045
L CLONES DIFFER IN THEIR	SENSITIVITY TO EXTERNAL CALCIUM C	620037
CIDIN CHANNELS BETWEEN	SEQUENCE-SUBSTITUTED GRAMICIDIN	620145
OTORELEASE OF A CAGED	SERINE/ BACTERIAL CHEMORECEPTOR	620067
MUNE COMPLEXES FROM	SERUM BY IMMOBILIZED TRUNCATED F	620087
OM LOW TO HIGH AFFINITY	SHAKER K CHANNEL CHARYBDOTOXIN	620005
N/ A POINT MUTATION IN A	SHAKER POTASSIUM-PLUS CHANNEL C	620005
LS/ GATING CURRENTS IN	SHAKER POTASSIUM-PLUS CHANNELS I	620160
NELS/ PHOSPHORYLATION	SHIFTS UNITARY CONDUCTANCE AND	620051
CTERIAL CHEMORECEPTOR	SIGNALING PROBED BY FLASH PHOTOR	620067
TION OF THE FUNCTIONAL	SIGNIFICANCE OF THE STILBENE DISUL	620098
G ELECTRIC FIELD WATER/	SIMULATION OF THE ROLE OF WATER I	620101
NCE RB CONDUCTANCE/ A	SINGLE NONPOLAR RESIDUE IN THE DE	620136
CHARYBDOTOXIN BINDING	SITE FROM LOW TO HIGH AFFINITY SHA	620005
NE DISULFONATE BINDING	SITE IN MOUSE BAND-3 BY SITE-DIRECT	620098
ERVED PROTEIN KINASE-C	SITE IS REQUIRED FOR MODULATION O	620031
ONCOMPETITIVE INHIBITOR	SITE OF THE NICOTINIC ACETYLCHOLIN	620074
CETYLCHOLINE RECEPTOR	SITE SPECIFIC MUTAGENESIS XENOPUS	620061
T OF THE LIGAND BINDING	SITE SUBSTANCE P BINDING SITE RECE	620059
SITE IN MOUSE BAND-3 BY	SITE-DIRECTED MUTAGENESIS BAND 3	620098
PATHWAY RECEPTOR NMR	SITE-DIRECTED MUTAGENESIS CONFOR	620082
ROXIDE/ APPLICATION OF	SITE-DIRECTED MUTAGENESIS IN NUCL	620116
COLI CYSTEINE DISULFIDE	SITE-DIRECTED MUTAGENESIS/ STRUC	620209
ANNEL CONDUCTANCE PH	SITE-DIRECTED MUTANTS HAIRPIN LOO	620041
D REACTION PATHWAYS IN	SITE-DIRECTED MUTANTS THE D212N M	620056
HANNEL CHARYBDOTOXIN	SITE-DIRECTED MUTATION/ A POINT M	620005
LCIUM-TWO-PLUS-ATPASE/	SITE-SPECIFIC AMINO ACID ALTERATIO	620077
IUM MEMBRANE INSERTION	SITE-SPECIFIC MUTAGENESIS/ MEMBR	620054
G TORPEDO CALIFORNICA/	SITE-SPECIFIC MUTATIONS OF NICOTINI	620061
ISTANCE MEASUREMENTS/	SIZING OF AN ION PORE BY ACCESS R	620010
F THE E1E2-ATPASE USING	SODIUM AND CALCIUM PUMP CHIMERIC	620220
NNEL BLOCK/ EXPRESSED	SODIUM CHANNEL CLONES DIFFER IN T	620037
IC SUPERIONIC/ DOES THE	SODIUM CHANNEL CONDUCT IONS THR	620022
DENSED-STATE PATHWAY?	SODIUM CHANNEL GATING SELECTIVITY	620022
CALCIUM CONCENTRATION	SODIUM CHANNELS CALCIUM CHANNEL	620037
IRED FOR MODULATION OF	SODIUM-PLUS CURRENTS IN TRANSFEC	620031
AR MAGNETIC RESONANCE	SOLID-STATE NMR MEMBRANE PROTEI	620012
TIDES IN LIPID BILAYERS A	SOLID-STATE NUCLEAR MAGNETIC RES	620012
IER TRANSFORM INFRARED	SPECTROSCOPIC ANALYSIS OF ALTER	620056
TRANSFORM DIFFERENCE	SPECTROSCOPY ACETYLCHOLINE REC	620064
AR MAGNETIC RESONANCE	SPECTROSCOPY GLUTATHIONE TRANS	620116
UTATHIONE TRANSFERASE	SPIN-LABEL NITROXIDE/ APPLICATION	620116
ANSITIONS BETWEEN TWO	STABLE CONDUCTANCE STATES IN GR	620028
LS AS REVEALED IN CELLS	STABLY TRANSFECTED WITH WILD-TYP	620048
S OF THE B-DOMAIN FROM	STAPHYLOCOCCAL PROTEIN-A/ MULTI	620087
O STABLE CONDUCTANCE	STATES IN GRAMICIDIN CHANNELS HEX	620028
RE PREDICTION BASED ON	STATISTICAL POTENTIAL/ PROTEIN STR	620104
ORS A SEMIAUTONOMOUS,	STEPWISE MODEL OF GATING/ KINETIC	620072
FLUORESCENCE STUDIES/	STERIC FACTORS LIMIT ACCESS TO TH	620074
NAL SIGNIFICANCE OF THE	STILBENE DISULFONATE BINDING SITE I	620098
SPORT XENOPUS OOCYTE	STILBENE DISULFONATES/ EXPLORATI	620098
THE LIGAND BINDING SITE	SUBSTANCE P BINDING SITE RECEPTOR	620059
TRACELLULAR DOMAIN OF	SUBSTANCE-P NK1 RECEPTOR COMPRI	620059
E/ A DIPOLAR AMINO ACID	SUBSTITUTION INDUCES VOLTAGE-DEP	620028
OLARIZATION/ AMINO ACID	SUBSTITUTIONS AND ION CHANNEL FU	620025
MES B5 WITH AMINO ACID	SUBSTITUTIONS IN THE MEMBRANE-BIN	620079
XAFLUOROVALINE GATING	SUBSTRATE GLYCINE/ A DIPOLAR AMI	620028
RECEPTORS ENGINEERED	SULFHYDRYL STUDIES RECEPTOR CHE	620209
ASTOMER FERROELECTRIC	SUPERIONIC/ DOES THE SODIUM CHAN	620022
UES OF THE INTERACTION	SURFACE OF CHARYBDOTOXIN RECOM	620008
AS A KRB CONDUCTANCE	SWITCH K CHANNELS DEEP PORE K CO	620136
RANE FUSION ACTIVITY OF	SYNEXIN AND OTHER MEMBERS OF TH	620015
FAMILY CHANNEL CALCIUM	SYNEXIN ANNEXIN MEMBRANE FUSION	620015
ASE A NOVEL EXPRESSION	SYSTEM P-TYPE ATPASES SECRETORY	620228
	T	
LINE RECEPTOR CHANNEL/	THREONINE IN THE SELECTIVITY FILTER	620196
TES ION CHANNEL GATING	TORPEDO CALIFORNICA/ SITE-SPECIFI	620061
ESIDUE IN THE DIPHTHERIA	TOXIN CHANNEL CONDUCTANCE PH SIT	620041
ODIUM-PLUS CURRENTS IN	TRANSFECTED CHINESE HAMSTER OVA	620031
VEALED IN CELLS STABLY	TRANSFECTED WITH WILD-TYPE AND M	620048
NE RECEPTOR BY FOURIER	TRANSFORM DIFFERENCE SPECTROSC	620064
RIUM HALOBIUM/ FOURIER	TRANSFORM INFRARED SPECTROSCOP	620056
CES VOLTAGE-DEPENDENT	TRANSITIONS BETWEEN TWO STABLE C	620028
ELATIVE ORIENTATIONS OF	TRANSMEMBRANAL HELICAL DOMAINS	620107
BRANAL HELICAL DOMAINS	TRANSMEMBRANAL HELIX RECEPTORS,	620107
ION/ THE CYSTIC FIBROSIS	TRANSMEMBRANE CONDUCTANCE REG	620001
IN CHANNEL PROLINE KINK	TRANSMEMBRANE HELIX CHANNEL GAT	620110
INKS IN DETERMINING THE	TRANSMEMBRANE HELIX LENGTH AND	620110
TUDIES OF AQUEOUS AND	TRANSMEMBRANE RECEPTORS EXAMP	620082
M SERUM BY IMMOBILIZED	TRUNCATED FB ANALOGUES OF THE B-	620087
NT CONCLUSIONS KINETIC	TRYPTOPHAN GRAMICIDIN DIFFUSION C	620025
ANNELS PROTEIN FOLDING	TRYPTOPHAN PHENYLALANINE/ FORM	620145
NT TRANSITIONS BETWEEN	TWO STABLE CONDUCTANCE STATES I	620028
	U	
HOSPHORYLATION SHIFTS	UNITARY CONDUCTANCE AND MODIFIE	620051
	V	
VOLTAGE GATING OF THE	VDAC CHANNEL/ LARGE SCALE REARR	620123
MOLECULAR ANALYSIS OF	VOLTAGE DEPENDENCE OF HETEROTY	620183
AINS IS ASSOCIATED WITH	VOLTAGE GATING OF THE VDAC CHANN	620123
DUCTANCE AND MODIFIES	VOLTAGE-DEPENDENT KINETICS OF HU	620051
ID SUBSTITUTION INDUCES	VOLTAGE-DEPENDENT TRANSITIONS BE	620028
ED POTASSIUM CHANNELS	VOLTAGE-GATED CHANNELS POTASSIU	620238
FUNCTIONAL MODELS OF	VOLTAGE-GATED POTASSIUM CHANNEL	620238
	W	
ULATION OF THE ROLE OF	WATER IN ION CHANNEL GATING ION C	620101
ONDUCT IONS THROUGH A	WATER-FILLED PORE OR A CONDENSE	620022
L GATING ELECTRIC FIELD	WATER/ SIMULATION OF THE ROLE OF	620101
ABLY TRANSFECTED WITH	WILD-TYPE AND MUTANT CONNEXIN CD	620048
	X	
E SPECIFIC MUTAGENESIS	XENOPUS LAEVIS OOCYTES ION CHAN	620061
GENEIS ANION TRANSPORT	XENOPUS OOCYTE STILBENE DISULFO	620098
	Y	
IN/ MUTAGENESIS OF THE	YEAST PLASMA MEMBRANE HYDROGE	620228
	1	
ED BY CONNEXINS-26 AND	32/ MOLECULAR ANALYSIS OF VOLTA	620183